

Please amend Claim 11 to read as follows:

- 11. (Twice Amended) A process for the manufacture of 1-chloro-1-fluoroethane, 1,1-difluoroethane or mixtures thereof by reaction between hydrogen fluoride and vinyl chloride, comprising:
- (a) providing at least prior to the reaction an organic solvent consisting of at least one saturated organic halogenated hydrocarbon;
 - (b) introducing hydrogen fluoride and vinyl chloride reactants into the organic solvent;
 - (c) recovering 1-chloro-1-fluoroethane, 1,1-difluoroethane or mixtures thereof.

Please amend also claim 21 as follows:

--21.(Twice Amended) A process for the manufacture of 1-chloro-1-fluoroethane, 1,1-difluoroethane, or mixtures thereof, with reduced formation of heavy halogen-containing side products, by contacting hydrogen fluoride and vinyl chloride in a reaction mixture under such conditions that the vinyl chloride content is maintained in the reaction mixture at less than 15% by weight throughout the reaction. --

REMARKS

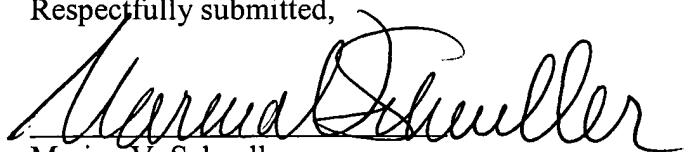
Reconsideration is respectfully solicited.

The amendments herein are presented to correct claim language. A MARKED UP VERSION of claim changes is appended hereto. Claim 1 line 3 has been changed so that it reads "--reaction between hydrogen fluoride and vinyl chloride reactants--" to provide antecedent basis for "said reactants" in lines 7 and 8.

Claim 11 line 6 has been changed to recite --reactants-- instead of "reaction."

Claim 21 last line has been amended to delete the duplication of the word "than."

Respectfully submitted,



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In re application of:
Pascal PENNETREAU et al.
Serial No. 08/549,322

Filed: October 27, 1995

For: PROCESS FOR THE PREPARATION OF
1-CHLORO-FLUOROETHANE AND/OR
1,1-DIFLUOROETHANE

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MARKED UP VERSION OF CLAIM AMENDMENTS

Please amend Claim 1 as follows:

- 1. (Thrice Amended) A process for the manufacture of 1-chloro-1-fluoroethane, 1,1-difluoroethane or mixtures thereof, with reduced formation of heavy halogen-containing side products, by reaction between hydrogen fluoride and vinyl chloride reactants in the liquid phase, comprising
- (c) providing a liquid reaction mixture containing an organic solvent consisting of at least one saturated organic halogenated hydrocarbon so as to provide for dilution of said reactants by the halogenated hydrocarbon at all times of the reaction;
 - (d) introducing said reactants into said liquid reaction mixture.--

Please amend Claim 11 to read as follows:

- 11. (Twice Amended) A process for the manufacture of 1-chloro-1-fluoroethane, 1,1-difluoroethane or mixtures thereof by reaction between hydrogen fluoride and vinyl chloride, comprising:
- (d) providing at least prior to the reaction an organic solvent consisting of at least one saturated organic halogenated hydrocarbon;
 - (e) introducing hydrogen fluoride and vinyl chloride [reactions] reactants into the organic solvent;
 - (f) recovering 1-chloro-1-fluoroethane, 1,1-difluoroethane or mixtures thereof.

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Please amend also claim 21 as follows:

--21.(Twice Amended) A process for the manufacture of 1-chloro-1-fluoroethane, 1,1-difluoroethane, or mixtures thereof, with reduced formation of heavy halogen-containing side products, by contacting hydrogen fluoride and vinyl chloride in a reaction mixture under such conditions that the vinyl chloride content is maintained in the reaction mixture at less than [than]15% by weight throughout the reaction. --